

B¹ terms of a concentration value at pH 7.4. Therefore, it is of value that both of the calcium ion concentration and the hydrogen ion concentration are simultaneously determined in a simple procedure.

At page 3, line 27

B² As a result of study of the present inventors, it has been discovered that the calcium ion selective electrode having a calcium ion selective membrane of a very small thickness gives good analytical results in the reproducibility of the analytical data and the response time. Further, it has been discovered the calcium ion selective membrane having a small thickness preferably contains calcium di[4-(1,1,3,3-tetramethylbutyl)phenyl] phosphate (t-HDOPP), particularly in combination with a vinyl acetate copolymer and dioctylphenyl phosphonate so as to obtain the analytical data of increased accuracy.

At page 9, lines 9 and 12

B³ The calcium ion selective membrane of the calcium ion selective electrode of the invention preferably contains calcium di[4-(1,1,3,3-tetramethylbutyl)phenyl] phosphate, and preferably comprises a vinyl chloride-vinyl acetate copolymer, dioctylphenyl phosphonate and calcium di[4-(1,1,3,3-tetramethylbutyl)phenyl] phosphate. However other known components for the preparation of a calcium ion selective membrane can be employed.

At page 11, line 31

B⁴ Composition of calcium ion selective layer

Calcium di [4-(1,1,3,3-tetramethylbutyl)phenyl]

IN THE CLAIMS

Please cancel claims 9-14.

B⁵ 1. (amended) A composite ion selective electrode comprising a calcium ion selective electrode member and a hydrogen ion selective electrode member,